SONY VAIO

VGN-SZ640N/B

VAIO® SZ Series Notebook PC

HIGHLY-MOBILE DESIGN

Incredibly slim and lightweight at 4.0 lbs[16] and 1" thin[17] for easy portability.

13.3" widescreen display[7] with XBRITE™ LCD technology delivers brilliant colors and stunning clarity.

Enjoy up to 4 hours of standard battery life[7] for increased productivity on-the-go.

Built-in 802.11n wireless LAN[3] technology and Bluetooth technology[5] so you can stay connected.

ROBUST PERFORMANCE

VAIO® exclusive Hybrid Graphics System allows you toggle between internal and external graphics chips for longer battery life or more robust output.

Advanced DVD+R Double Layer/DVD±RW/-RAM drive[4] for enhanced storage and multimedia capabilities.

Cutting-edge mobile performance including an Intel® Core™ 2 Duo processor (800MHz FSB), DDR2 memory and SATA hard drive.

COMMUNICATION AND SECURITY

Built-in camera and microphone makes it easy to video conference with colleagues, family or friends[12].

Advanced security features like integrated biometric fingerprint system, Trusted Platform Module and G-Sensor™ Shock Protection.

The slim, lightweight VAIO® SZ Notebook delivers an inspiring blend of mobile design, cutting-edge performance and contemporary style. With a 13.3" widescreen display[3], integrated wireless LAN[3] and Bluetooth®[5] technology, an Intel® Core™ 2 Duo processor, a revolutionary Hybrid Graphics System and more, you can work faster, play longer and get more from every moment.

intel Centrino Duo Core 2 Duo inside

Windows Vista Business

G-SENSOR

Bluetooth

like.no.other™

VGN-SZ640N/B

VAIO® SZ Series Notebook PC

Specifications

General

Computer Type: Notebook

Type of Use: Ultra Portable

Action Buttons: S1, S2 (programmable), Wireless On/Off

Security: Trusted Platform Module (TPM), TCG Ver.1.2 compliant
Biometric Fingerprint Sensor

Hardware

Pointing Device: Electro-Static touch pad

Keyboard: QWERTY (86 keys with 3mm stroke and 19.05mm pitch)

Camera: Built-in Camera and Microphone

Processor

Type: Intel® Core™ 2 Duo Processor T7250

Speed: 2GHz[1]

Front Side Bus Speed: 800MHz

L2 Cache: 2MB

Technology: Intel® Centrino® Duo Processor Technology

Memory

Type: DDR2

Installed: 2GB (1GBx2) PC2-5300

Maximum: 4GB[15]

Speed: 667MHz

Hard Drive

Capacity: 160GB[2]

Speed: 5400rpm

Interface: Serial ATA

Impact Protection: G-Sensor™ Shock Protection - Hard Disk Drive Protection

Optical Drive #1

DVD+R DL Write: 4x max.

DVD+R Write: 8x max.

DVD+RW Write: 8x max.

DVD-R Write: 8x max.

DVD-RW Write: 6x max.

CD-R Write: 24x max.

CD-RW Write: 16x max.

DVD±RW: Yes[4] (DVD±R DL/DVD±RW/DVD-RAM)

CD Read: 24x max.

DVD Read: 8x max.

DVD-RAM Write: 5x max.

DVD-R DL Write: 4x max.

DVD-RAM Read: 5x max.

Expansion Slots

Multimedia Card Reader: Memory Stick DUO™ with MagicGate® functionality
ExpressCard™ /34 Slot: 5-in-1 Memory Card Adaptor (VGP-MCA20A) supporting Memory Stick®, Memory Stick PRO™, Secure Digital, xD-Picture Card, and MultiMediaCard (MMC)
PCMCIA (Type II/Type I card slot with CardBus support)

Audio

Sound System: Sony® Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WXGA razor thin LCD panel

Screen Size: 13.3"[11]

Resolution: 1280x800

XBRITE™ LCD Technology: Yes

Graphics

Processor: NVIDIA® GeForce® 8400M GS and Mobile Intel® Graphics Media Accelerator X3100

Video RAM: 831MB Total Available Graphics Memory[13] (NVIDIA® GeForce® 8400 GS) and 358MB Total Available Graphics[13] (Mobile Intel® Graphics Media Accelerator X3100)

Technology: Hybrid Graphics System

Chipset: Intel® 965GM

Interface: VGA out w/ Smart Display Sensor

Inputs and Outputs

Ethernet Port: 1

Headphone Jack: 1

i.LINK® Interface: 1 (4-pin IEEE 1394) interface[6]

Memory Stick® Media Slot: 1

Modem Jack: 1

Microphone Input: 1

Port Replicator Connector(s): 1 (Bottom)

USB Port(s): 2 (2.0 compliant)

VGA Output(s): 1

DC-In: 1

Express Card™ Slot: 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)

Ethernet Speed: 10Base-T/100Base-TX/1000Base-T

Modem Type: Integrated V.92/V.90 Modem (RJ-11)

Wireless LAN: Intel® PRO/Wireless 4965AGN Network Connection (802.11a/b/g/n)[3]

Bluetooth® Technology: Integrated Bluetooth® Technology[5]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS9A/B)

Estimated Battery Life: 2.5-4.0 hours[7] (Standard Battery)
3.0-5.5 hours[7] (Large Capacity Battery)

Power Requirements: 105W+10%

Software

Operating System: Windows Vista® Business

Internet Services: AOL® 90-Day Risk Free Trial - For new users only

Supplied Software: Microsoft® Works 8.5
60-Day Trial version of Microsoft® Office 2007[10]

Sony® Original Software: Click to DVD®- DVD Creation
LocationFree® Player Software
* Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Security and Anti-Virus Software: Norton® Internet Security™ 2007 60-Day Trial with spyware protection

Service and Warranty Information

Limited Warranty: 1 Year Limited Warranty[8]

Telephone Support: 1 year (toll-free technical telephone assistance, available 24/7)[9]

Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO

Dimensions

Weight: 4.0 lbs[16]

Measurements: 12.5"(W) x 1.0"-1.5"(H) x 9.3"(D)

Supplied Accessories

Standard Lithium-ion battery (VGP-BPS9A/B)

AC adapter (VGP-AC19V25)

Memory Card Adapter (VGP-MCA20A)[14]

Power Cord

Optional Accessories

Port Replicator (VGP-PRSZ1)

Large Capacity Battery (VGP-BPL9)

Additional Standard Capacity Battery (VGP-BPS9A/B)

Stick AC Adapter (VGP-AC19V21)

Bluetooth Laser Mouse (VGP-BMS33/B)

Neoprene Notebook & AC Adapter (VGP-AMC1)

Protection Case with VAIO Smart Protection (VGP-CKSZ1)

Slim Carrying Case (VGP-CCB3)

USB Portable Speaker (VGP-USP1)

Color: Black Magnesium

UPC Code: 027242725812

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires a compatible 802.11n access point. Some functionality may require Internet services, which may require a fee.
4. DVD Media/Formats are not universally compatible.
5. Interoperability among Bluetooth® devices varies.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions.
8. See actual limited warranty for details. For a copy of Sony's warranty, please visit

   www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
9. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
10. The Microsoft Office 2007 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
11. Viewable area measured diagonally.
12. Broadband Internet service required along with third-party services which may require a subscription fee or other service fee.
13. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory vaires depending on the operating condition and system memory size.
14. Does not support Memory Stick® media and Memory Stick PRO™ media using the MagicGate® function or high-speed data transfer. Supports memory cards with capacitities up to 8GB. Does not support 5.0V SmartMedia media or the ID function of SmartMedia media with IDs. Does not support the SD Memory Card media copyright protection function. This adapter has been tested with only Sony® branded Memory Stick PRO™ media. Sony® branded Memory Stick PRO™ media is recommended for use with this adapter.
15. A portion of the system memory over 3GB may not be available to the operating system.
16. Non-metric weights and measures are approximate
17. Measured at the narrowest point

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate. Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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